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**Department of Agriculture/Weights and Measures**  
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## RESTRICTED MATERIALS PERMIT CONDITION #15

### **CHLOROPICRIN (sole active ingredient)** **Tarped, Drip Irrigation or Broadcast** **Revised 07/25/16**

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**Note: Complete Form Packets are separate from these permit conditions**

#### **General Requirements**

1. These conditions apply to pesticides containing chloropicrin as the sole active ingredient. Users shall comply with product labeling, permit conditions, condition attachments and pesticide laws and regulations. When requirements differ, the most stringent requirement shall be followed, unless there is specific guidance about exceptions. These permit conditions do not apply to non-field fumigations, including greenhouses, potting soil, and golf courses.
2. It is the responsibility of both the property operator and pest control business (PCB) to comply with product label instructions, pesticide regulations and permit conditions. Failure to comply may result in an administrative penalty consisting of a fine to one or both parties.
3. All complaints of pesticide exposure or unsafe conditions shall be reported to the Agricultural Commissioner as soon as possible and no later than the next workday. After normal working hours, leave a message at 781-5910.
4. The application block size is limited to 40 acres at one location within a 24-hour period. An application block is a field or portion of a field treated with a fumigant in any 24- hour period.
5. No application shall commence or continue when air temperatures reach 85°F at the application site.
6. The permit applicant shall provide a *Soil Fumigation Plan* and site map. The plan and site map are conditions of the permit. Indicate the following information in your fumigation plan and site map:

- a. The time (within a 12-hour window) that each application is scheduled to commence.
  - b. The California Department of Pesticide Regulation (DPR) approved 60% totally impermeable film (TIF) tarps to be used.
  - c. All TIF tarps purchased after June 1, 2016 must be identified with the manufacturers' printing of the tarp name and lot number. For tarps purchased prior to June 1, 2016, a copy of the tarp invoice or similar document must be provided.
  - d. If the fumigant is applied in strips, bedded or by drip irrigation, the calculations to determine the broadcast equivalent application rate shall be included with the *Soil Fumigation Plan*. See the *Calculating the Broadcast Equivalent Application Rate* form included on the product label and in these permit conditions. Express the broadcast equivalent in pounds of active ingredient per acre.
  - e. If required by the product label or by the Agricultural Commissioner, designate which type of Emergency Preparedness will be used: Fumigant Site Monitoring or Response Information for Neighbors.
  - f. The site map must include:
    - The number, acreage and outline of proposed application block(s).
    - The buffer zone size for each block and the location of the buffer zone edges.
    - The application block dimensions.
    - The approximate location of buffer zone signs and treated block(s) warning signs.
    - Roadways, rights-of-ways, easements and sidewalks or other permanent walking paths.
    - The location of the water sources to be used for the chemigation (if applicable).
    - The proposed injection point(s), if known.
    - The location of the property operator's backflow prevention set up (if applicable).
    - The location of any wells within 100 feet of the proposed fumigation site.
    - The location of all difficult to evacuate sites (as defined in the product label) within ¼ mile of the fumigation site.
    - The location with a description of structures and bystander areas within 300 feet of the outer perimeter of the buffer zone.
    - The location and distances to sensitive areas, as determined by the Agricultural Commissioner.
7. The *Soil Fumigation Plan* shall be submitted and approved prior to submittal of the Notice of Intent (NOI). Please note it may take several days for the *Soil Fumigation Plan* to be approved; **submitting the plan a week prior to the NOI is recommended.**
  8. Chloropicrin shall be applied only by a PCB appropriately licensed by the DPR.
  9. **Additional conditions may be required by the Agricultural Commissioner and specified in supplemental permit conditions.**

### **Chemigation System (Drip Irrigation)**

1. The grower or grower's representative, who has the authority to control the activities at the site, and is knowledgeable about the irrigation system, shall be present at the treatment site during the application. This representative shall be trained in general pesticide safety and product label in accordance with California Code of Regulations (CCR) Section 6724.
2. Prior to the application, a test of the chemigation system shall be performed by running water through the system to check for pressure variation, clogged emitters and leaks. The pressure must not exceed the pressure rating of the drip tape and the pressure variation in the drip tape throughout the field must be less than three pounds per square inch (3 psi). The drip system must be free of leaks and clogged emitters.

3. Prior to the application, all row end drip tape connections at the lay flat, and any lay flat fitting connections, must be covered with a tarpaulin consistent with that used for the application.
4. During the application, a pressure gauge shall be employed on each block to be fumigated to ensure that the burst strength or connection strength does not exceed the drip tape manufacturer's maximum pressure specification.
5. A field monitor, trained in general pesticide safety and on the product label in accordance with CCR Section 6724, must be at the application site at all times during the application in order to identify any leaks or product puddling at the soil surface.
6. Do not allow treatment solution to accumulate on the soil surface. If puddling or run-off occurs, discontinue the application immediately, and cover with soil or with the type of tarp used for the application.
7. When modifying an irrigation block to reduce the application block size within a field, the drip tape and the tarp must be cut to clearly define the edge of the treatment area. To prevent leaks, crimp or tie off the drip tape up-stream of the cut.
8. After the application, the drip system must be flushed with a volume of water at least three times the volume of the mainline and lateral lines of the system.

### **Tarps**

1. Only Tarps listed on the DPR approved TIF tarp list are allowed for fumigant products with chloropicrin as the sole active ingredient. DPR's list of approved TIF tarps can be found at <http://www.cdpr.ca.gov/docs/emon/pubs/tac/chlorop.htm>.
2. All TIF tarps purchased after June 1, 2016 must be identified with the manufacturers' printing of the tarp name and lot number. For tarps purchased prior to June 1, 2016, a copy of the tarp invoice or similar document must be provided.
3. Tarps are considered part of the application equipment and must be kept in good repair throughout the application. **Tape used for repairs must be of a type compatible with the tarp used for the application.**
4. Metallized tarps are not allowed to be used.
5. Untarped applications are not allowed.
6. Tarps must not be perforated until a minimum of 9 days (216 hours) have elapsed after the application is complete, and must not be removed for a minimum of one (1) day (24 hours) after perforation, unless a weather condition exists which necessitates early tarp perforation or removal as specified by the label.

### **Notice of Intent (NOI)**

1. NOIs must be submitted by 2:00 pm, 2 days (48 hours) prior to the proposed application. NOIs for applications planned for Sundays or Mondays must be submitted no later than 2:00 pm on the previous Thursday.
2. For multiple blocks fumigated sequentially, submit one NOI with a block schedule or a separate NOI for each block.

3. A valid recommendation from a registered pest control adviser shall be submitted before the NOI is accepted and the application is allowed.
4. In addition to information required in Title 3 CCR 6434(b), the following information must be submitted with the NOI (if not previously submitted with the Soil Fumigation Plan):
  - a. Fumigation Notice form, if applicable (English/Spanish, when applicable).
  - b. Notification Log with a site map of the adjacent sites numbered to correspond to the Notification Log's numbering system (if applicable).
  - c. Written permission to allow a buffer zone to extend onto adjoining property (if applicable).
  - d. Vacating agreement(s) for the resident(s) of any structure within the buffer zone (if applicable).
5. The fumigation cannot begin sooner than the time listed on the NOI and must begin within 12 hours of the scheduled time. Any change in the NOI, including but not limited to acreage, scheduling, or buffer zones, must be submitted in writing for approval by the Agricultural Commissioner. The 48-hour waiting period may be waived by the Agricultural Commissioner.

### **Emergency Preparedness and Response Measures**

1. If product label Emergency Preparedness and Response Measures are triggered, then the certified applicator must declare on the *Soil Fumigation Plan* which method of emergency preparedness will be followed: Fumigant Site Monitoring or Response Information for Neighbors.
2. If site monitoring is chosen as the method of Emergency Preparedness, the field must be monitored eight times during the duration of the buffer zone. Four of those eight times must be within one hour of midnight and one hour of noon.
3. The Emergency Preparedness and Response site monitoring must be conducted as follows:
  - a. Monitoring must be done at the outer perimeter of the buffer zone.
  - b. The wind direction and time noted must be included in the Post Application Summary.
  - c. Monitoring must be done in at least two different locations along the perimeter of the buffer zone, including:
    - Downwind of the application block
    - In the direction of all residences, businesses, and bystander areas that trigger the Emergency Preparedness and Response Measures.
    - On calm days, monitoring must be done along all buffer zone sides.
  - d. The person conducting the monitoring must have full olfactory capabilities (e.g. must not be impaired by allergies or head colds).
4. If the monitor experiences sensory irritation triggering the emergency response plan, the County Agricultural Commissioner must be notified. After normal working hours, leave a message at 781-5910.
5. If Neighbor Notification is selected as the method of Emergency Preparedness, the Response Information for neighbors must be provided **one week prior to the application** and be in both English and Spanish.
6. The County Agricultural Commissioner must be notified immediately if the Emergency Response Plan is implemented. After normal working hours, leave a message at 781-5910.
7. Additional information may be required on certain sites.

### **Application Restrictions near Difficult to Evacuate Sites**

1. Schools are considered occupied when they are in session, scheduled to be in session and/or hosting public events at the school site while the buffer zone is in effect.
2. A school is defined as an institution for the instruction of children from kindergarten through high school. Also included are daycare centers and preschools, as defined in the Health and Safety Code Section 1596.76. "Day care center" means any child day care facility other than a family day care home, and includes infant centers, preschools, extended day care facilities, and school age child care centers.
3. Day care centers and other difficult to evacuate sites are listed at the following website:  
<http://cclld.ca.gov/PG3581.htm> For example; select "child care center" as the facility type and the ZIP code, city, county or area code to find the names and addresses of the child care centers in a specific area.

### **Buffer Zones**

1. The buffer zone is measured from the perimeter of the application block. Restrictions apply from the start of the application until the expiration of the buffer zone period.
2. The only buffer zone reduction credit allowed is for tarps assigned 60% credit listed on the DPR approved TIF tarp list. DPR's list of approved TIF tarps can be found at  
<http://www.cdpr.ca.gov/docs/emon/pubs/tac/chlorop.htm>.
3. Buffer zones are in effect at the start of the application and shall remain in effect for a minimum of 48 hours after the application is complete.
4. Non-handlers, including but not limited to fieldworkers, residents, pedestrians, lunch truck personnel and other bystanders shall be excluded from the buffer zone during the buffer zone period.
5. Buffer zones shall not contain occupied structures. All structures within the buffer zones shall be vacated and *Vacating Agreements* must be signed by the resident/property operator and submitted to the Agricultural Commissioner prior to approval of the NOI. See *Vacating Agreement* form.
6. Buffer zones shall not extend onto adjoining properties, unless written permission has been obtained from the adjoining resident/property operator and submitted to the Agricultural Commissioner prior to approval of the NOI. See *Permission for a Fumigant Buffer Zone to Extend On to Adjoining Property* form.
7. Buffer zones shall not extend onto bystander areas. A bystander area is any area used or visited by people on a daily basis, including parks, playgrounds, lakes, reservoirs, bus stops, and other similar areas where groups of people visit, or other areas identified by the Agricultural Commissioner.
8. The Agricultural Commissioner may deny or add restrictions for buffer zones that extend onto or across transit sites (streets, highways, railroads, etc.).
9. Buffer zone size for drip irrigation, strip or bedded applications shall be determined by using the broadcast equivalent application rate which must be calculated using one of the formulas provided on the *Calculating the Broadcast Equivalent Application Rate* form provided with these permit conditions. Please show your calculations on the bottom of the form.
10. The buffer zone size shall be determined using Buffer Zone Tables 1-4, included in these permit conditions and found in DPR's *Chloropicrin and Chloropicrin in Combination with Other Products (Field Fumigant)*

*Interim Recommended Conditions (Appendix K)*, then applying the broadcast equivalent if applicable. The broadcast equivalent is in pounds of active ingredient per acre. Tables 1-4 are for TIF tarp applications and already have the 60% reduction credit applied.

11. The minimum buffer zone distance is 25 feet.
12. Before the start of the application, the certified applicator must determine whether their buffer zone will overlap with any other buffer zone(s) associated with a product containing chloropicrin. Buffer zones must not overlap unless a minimum of 12 hours have elapsed from the time the earlier application is complete until the start of the later application and Fumigant Site Monitoring or Response Information for neighbors have been implemented, if there are any residences or businesses within 300 feet of any of the buffer zones.
13. If buffer zones for two or more applications of any products containing chloropicrin overlap within 36 hours from the time the earlier application is complete until the start of the later application, the following restrictions apply:
  - Combined acreage of all application blocks shall not exceed 40 acres.
  - Buffer zone distance for TIF blocks shall be based on individual block application method, application rate and acreage using the appropriate table included in these permit conditions.

### **Posting Requirements**

1. The supervising certified applicator shall ensure that both the treated field and the buffer zone around the treated field are posted with warning signs, no sooner than 24 hours prior to the start of the application.
  - a. Buffer zones must be posted whether they exist on the property under the control of the fumigating property operator or on adjoining property.
  - b. The buffer zone warning signs shall be placed along the outside perimeter of the buffer zone; at all corners, at intervals of every 200 feet, and at all points of entry into the buffer zone.
  - c. If multiple contiguous blocks are fumigated within a 14 day period, the entire periphery of the contiguous blocks' buffer zones may be posted. If posting multiple contiguous blocks, the signs must remain posted until the buffer zone of the last fumigated block has expired.
  - d. The Agricultural Commissioner may allow exceptions to posting requirements which shall be specified in the supplemental permit conditions.
2. The property operator shall maintain the posting of the warning signs around the treated field after the application, and remove the signs within 3 days after the expiration of the Entry Restricted Period and prior to allowing workers into the treated block.
3. The property operator shall maintain the posting of the buffer zone for 48 hours (duration of the buffer zone), and remove the buffer zone signs within 3 days after the end of the buffer zone period. If posting multiple contiguous blocks (Posting Requirements 1.b., above), then the signs must remain posted until the last buffer zone period expires. The signs must be removed within 3 days after the buffer zone period of the last block has expired and prior to allowing workers into the buffer zone area.

## CALCULATING THE BROADCAST EQUIVALENT APPLICATION RATE

To calculate the broadcast equivalent rate for bedded or strip applications the following information is needed:

- gallons of product per treated acre
- strip or bed bottom width (inches)
- center-to-center row spacing (inches)
- application block size (acres)

Gallons of product per treated acre is the ratio of total amount of product applied to the size of the total area treated (e.g., the rate of product applied in the bed). For bedded or strip applications, the total area treated is the summation of the area (i.e., length x width) of each treated bed bottom or strip that is located within the application block as shown by the black areas in Figure 1 (e.g., black areas are 0.6A or 60% of the area within the application block). The area of the space between the beds/strips is not factored in the total area treated.

The application block size is the acreage within the perimeter of the fumigated portion of a field (including furrows, irrigation ditches, roadways). The perimeter of the application block is the border that connects the outermost edges of total area treated with the fumigant product.

Figure 1. Bedded/Strip Application  
(1 acre application block)



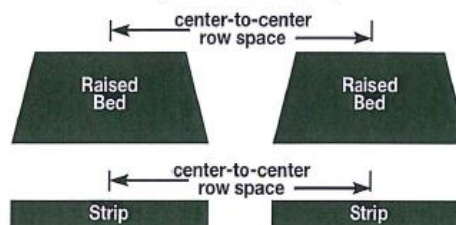
Space Between Beds/Strips is not treated

The "broadcast equivalent rate" must be calculated with the following formula:

$$\text{Broadcast equivalent rate (gallons product/acre)} = \frac{\text{strip or bed bottom width (inches)}}{\text{center-to-center row spacing (inches)}} \times \text{gallons product/treated acre applied in the strip or bed}$$

- The bed width must be measured from the bottom of the bed.
- The center-to-center row spacing must be calculated as shown in Figure 2.
- If there are any ditches, waterways, drive rows and other areas that are not fumigated that are in the application block, multiply the above broadcast equivalent equation by (total area of strips or beds + row spacing)/[application block size]. A sample calculation is provided.

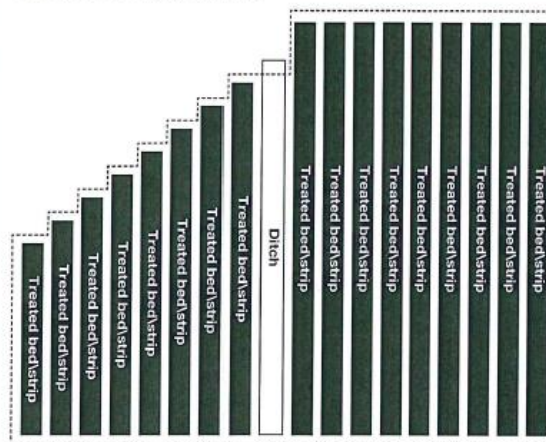
Figure 2. Center Row Spacing



Sample broadcast equivalent rate calculation

Assumptions:

- Application method is shank bedded
- Bed width is 30 inches (measured at the bottom of bed)
- Center-to-center row spacing is 60 inches
- 75 gallons of product per treated acre is applied in the beds
- Total application block size is 10 acres
- Ditch in the middle of application block is 0.25 acres
- Area of beds + row spacing is 9.75 acres



$$\begin{aligned} \text{broadcast equivalent rate (gallons product/acre)} &= \frac{\text{strip or bed bottom width (inches)}}{\text{center-to-center row spacing (inches)}} \times \frac{\text{area of strip or bed + row spacing}}{\text{application block size}} \times \text{Gallons product/treated acre applied in the bed} \\ &= \frac{30 \text{ inch width beds}}{60 \text{ inch row spacing}} \times \frac{9.75 \text{ acres}}{10 \text{ acres}} \times 75 \text{ gals product/treated acre} \\ &= 36.6 \text{ gals product/acre} \end{aligned}$$

## EXPRESS BROADCAST EQUIVALENT IN POUNDS OF ACTIVE INGREDIENT

PLEASE SHOW CALCULATIONS BELOW

Table 1. Broadcast Shank Application Method

Table 1. Chloropicrin buffer zone distances (feet) for TIF broadcast shank injection fumigations in Coastal and Inland counties. Round up to the nearest rate and block size, where applicable.

|  |     | Application Block Size (acres) |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
|--|-----|--------------------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  |     | 1                              | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 50  | 60  |     |
| Broadcast Equivalent Application Rate (lbs A/acre) | 95  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  |     |
|  | 100 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 29  |     |
|  | 105 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 34  |     |
|  | 110 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 31  | 42  |     |
|  | 115 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 27  | 38  | 49  |
|  | 120 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 26  | 30  | 34  | 45  | 56  |
|  | 125 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 27  | 30  | 36  | 40  | 52  | 64  |
|  | 130 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 27  | 32  | 36  | 41  | 47  | 59  | 71  |
|  | 135 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 30  | 36  | 41  | 47  | 54  | 66  | 78  |
|  | 140 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 34  | 40  | 46  | 53  | 60  | 73  | 86  |
|  | 145 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 26  | 38  | 45  | 52  | 59  | 66  | 79  | 92  |
|  | 150 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 29  | 42  | 50  | 58  | 64  | 72  | 85  | 99  |
|  | 155 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 33  | 45  | 54  | 63  | 70  | 77  | 92  | 106 |
|  | 160 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 36  | 49  | 59  | 69  | 76  | 83  | 98  | 112 |
|  | 165 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 27  | 40  | 52  | 64  | 74  | 82  | 88  | 104 | 119 |
|  | 170 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 26  | 30  | 44  | 56  | 68  | 80  | 87  | 94  | 110 | 126 |
|  | 175 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 29  | 34  | 47  | 60  | 73  | 86  | 93  | 100 | 116 | 132 |
|  | 180 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 28  | 33  | 38  | 52  | 64  | 78  | 90  | 100 | 108 | 125 | 141 |
|  | 185 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 32  | 37  | 42  | 56  | 69  | 82  | 95  | 106 | 116 | 134 | 150 |
|  | 190 | 25                             | 25 | 25 | 25 | 25 | 25 | 30 | 36 | 41  | 47  | 60  | 74  | 87  | 100 | 112 | 125 | 142 | 160 |     |
|  | 195 | 25                             | 25 | 25 | 25 | 25 | 27 | 33 | 39 | 45  | 51  | 65  | 78  | 91  | 104 | 119 | 133 | 151 | 168 |     |
|  | 200 | 25                             | 25 | 25 | 25 | 25 | 30 | 37 | 43 | 49  | 56  | 69  | 83  | 96  | 109 | 125 | 142 | 160 | 178 |     |
|  | 205 | 25                             | 25 | 25 | 25 | 27 | 34 | 40 | 47 | 53  | 60  | 74  | 88  | 100 | 114 | 132 | 150 | 168 | 187 |     |
|  | 210 | 25                             | 25 | 25 | 25 | 30 | 37 | 44 | 50 | 57  | 64  | 78  | 92  | 105 | 118 | 138 | 158 | 177 | 196 |     |
|  | 215 | 25                             | 25 | 25 | 27 | 33 | 40 | 46 | 53 | 60  | 66  | 81  | 96  | 110 | 124 | 144 | 164 | 182 | 202 |     |
|  | 220 | 25                             | 25 | 25 | 29 | 36 | 42 | 49 | 56 | 62  | 68  | 84  | 100 | 114 | 130 | 149 | 169 | 188 | 208 |     |
|  | 225 | 25                             | 25 | 25 | 32 | 38 | 45 | 52 | 58 | 64  | 71  | 87  | 103 | 119 | 135 | 155 | 174 | 194 | 213 |     |
|  | 230 | 25                             | 25 | 26 | 34 | 42 | 48 | 54 | 60 | 67  | 73  | 90  | 107 | 124 | 141 | 160 | 180 | 199 | 219 |     |
|  | 235 | 25                             | 25 | 27 | 36 | 44 | 50 | 57 | 63 | 69  | 76  | 93  | 110 | 128 | 146 | 166 | 185 | 205 | 224 |     |
|  | 240 | 25                             | 25 | 28 | 38 | 47 | 53 | 59 | 66 | 72  | 78  | 96  | 114 | 133 | 152 | 172 | 190 | 210 | 230 |     |
|  | 245 | 25                             | 25 | 30 | 40 | 50 | 56 | 62 | 68 | 74  | 80  | 99  | 118 | 138 | 158 | 177 | 196 | 216 | 236 |     |
|  | 250 | 25                             | 25 | 31 | 41 | 52 | 58 | 64 | 70 | 76  | 82  | 102 | 121 | 142 | 163 | 181 | 200 | 220 | 242 |     |
| 255  | 25  | 25                             | 32 | 42 | 53 | 59 | 65 | 71 | 77 | 84  | 104 | 124 | 146 | 168 | 185 | 203 | 225 | 248 |     |     |
| 260  | 25  | 25                             | 32 | 43 | 54 | 60 | 67 | 73 | 79 | 85  | 106 | 128 | 150 | 172 | 190 | 206 | 230 | 253 |     |     |
| 265  | 25  | 25                             | 33 | 44 | 56 | 62 | 68 | 74 | 81 | 87  | 109 | 130 | 154 | 178 | 194 | 210 | 234 | 259 |     |     |
| 270  | 25  | 25                             | 34 | 45 | 57 | 64 | 70 | 76 | 82 | 88  | 111 | 134 | 158 | 182 | 198 | 213 | 239 | 264 |     |     |
| 275  | 25  | 25                             | 34 | 46 | 58 | 65 | 71 | 78 | 84 | 90  | 114 | 137 | 162 | 187 | 202 | 216 | 244 | 270 |     |     |
| 280  | 25  | 25                             | 35 | 48 | 60 | 66 | 73 | 79 | 86 | 92  | 116 | 140 | 166 | 192 | 206 | 220 | 248 | 276 |     |     |
| 285  | 25  | 25                             | 36 | 49 | 62 | 68 | 75 | 82 | 89 | 96  | 120 | 144 | 169 | 194 | 210 | 228 | 257 | 286 |     |     |
| 290  | 25  | 25                             | 36 | 50 | 63 | 70 | 78 | 85 | 92 | 99  | 124 | 149 | 172 | 195 | 215 | 235 | 266 | 296 |     |     |
| 295  | 25  | 25                             | 37 | 51 | 64 | 72 | 80 | 87 | 95 | 102 | 128 | 154 | 175 | 196 | 220 | 242 | 274 | 306 |     |     |

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Appendix K – Chloropicrin and Chloropicrin in Combination with Other Products  
(Field Fumigant) Interim Recommended Permit Conditions (Rev. 02/2016)

Table 1 (continued). Broadcast Shank Application Method

Table 1 (cont.). Chloropicrin buffer zone distances (feet) for TIF broadcast shank injection fumigations in Coastal and Inland counties. Round up to the nearest rate and block size, where applicable.

|             |     | Application Block Size (acres) |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------|-----|--------------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|             |     | 1                              | 2  | 3  | 4  | 5  | 6  | 7   | 8   | 9   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 50  | 60  |
| lbs AI/acre | 300 | 25                             | 25 | 38 | 52 | 66 | 74 | 82  | 90  | 98  | 106 | 132 | 158 | 178 | 198 | 224 | 250 | 283 | 316 |
|             | 305 | 25                             | 26 | 40 | 54 | 69 | 77 | 85  | 93  | 101 | 109 | 136 | 163 | 184 | 205 | 229 | 253 | 287 | 321 |
|             | 310 | 25                             | 27 | 42 | 57 | 71 | 80 | 88  | 96  | 104 | 113 | 141 | 169 | 190 | 211 | 234 | 257 | 292 | 327 |
|             | 315 | 25                             | 29 | 44 | 59 | 74 | 82 | 91  | 99  | 108 | 116 | 145 | 174 | 196 | 218 | 239 | 260 | 296 | 332 |
|             | 320 | 25                             | 30 | 45 | 60 | 76 | 84 | 92  | 101 | 109 | 118 | 147 | 176 | 199 | 222 | 243 | 264 | 301 | 337 |
|             | 325 | 25                             | 31 | 46 | 62 | 78 | 86 | 94  | 102 | 110 | 119 | 149 | 178 | 202 | 226 | 247 | 268 | 306 | 342 |
|             | 330 | 25                             | 32 | 48 | 64 | 79 | 87 | 96  | 104 | 112 | 120 | 150 | 181 | 205 | 229 | 251 | 273 | 310 | 348 |
|             | 335 | 25                             | 33 | 49 | 65 | 81 | 89 | 97  | 105 | 114 | 122 | 152 | 183 | 208 | 233 | 255 | 277 | 315 | 352 |
|             | 340 | 25                             | 34 | 50 | 66 | 82 | 91 | 99  | 107 | 115 | 123 | 154 | 186 | 211 | 236 | 259 | 282 | 320 | 358 |
|             | 345 | 25                             | 36 | 52 | 68 | 84 | 92 | 100 | 108 | 116 | 124 | 156 | 188 | 214 | 240 | 263 | 286 | 324 | 363 |
|             | 350 | 25                             | 36 | 53 | 70 | 86 | 94 | 102 | 110 | 118 | 126 | 158 | 190 | 217 | 244 | 267 | 290 | 329 | 368 |

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Appendix K – Chloropicrin and Chloropicrin in Combination with Other Products  
(Field Fumigant) Interim Recommended Permit Conditions (Rev. 02/2016)

Table 2. Bed Shank Injection Application Method

Table 2. Chloropicrin buffer zone distances (feet) for TIF bed shank injection fumigations in Coastal and Inland counties. Round up to the nearest rate and block size, where applicable.

|   |     | Application Block Size (acres) |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |
|---|-----|--------------------------------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
|   |     | 1                              | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 15 | 20  | 25  | 30  | 35  | 40  | 50  | 60  |
| Broadcast Equivalent Application Rate (lbs AI/acre) | 100 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  |
|   | 105 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 26  | 40  |
|   | 110 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 26  | 54  | 62  |
|   | 115 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 28  | 38  | 58  | 67  |
|   | 120 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 38  | 50  | 62  | 72  |
|   | 125 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 31  | 44  | 57  | 75  | 84  |
|   | 130 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 34  | 38  | 50  | 64  | 88  | 96  |
|   | 135 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 41  | 45  | 57  | 72  | 92  | 101 |
|   | 140 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 30  | 48  | 52  | 64  | 80  | 96  | 106 |
|   | 145 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 40  | 54  | 64  | 70  | 88  | 110 | 120 |
|   | 150 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 48  | 59  | 71  | 80  | 99  | 119 | 130 |
|   | 155 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 38 | 56  | 64  | 78  | 90  | 110 | 128 | 140 |
|   | 160 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 43 | 61  | 71  | 85  | 97  | 113 | 132 | 149 |
|   | 165 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 48 | 66  | 78  | 92  | 104 | 116 | 136 | 158 |
|   | 170 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 51 | 69  | 85  | 98  | 111 | 124 | 144 | 164 |
|   | 175 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 54 | 72  | 92  | 104 | 118 | 132 | 152 | 170 |
|   | 180 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 27 | 56 | 74  | 95  | 107 | 121 | 136 | 156 | 175 |
|   | 185 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 57 | 76  | 97  | 110 | 125 | 140 | 161 | 180 |
|   | 190 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 59 | 78  | 100 | 113 | 128 | 143 | 165 | 184 |
|   | 195 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 29 | 60 | 80  | 102 | 116 | 132 | 147 | 169 | 190 |
|   | 200 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 30 | 62 | 82  | 105 | 119 | 135 | 151 | 174 | 194 |
|   | 205 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 27 | 30 | 63 | 84  | 108 | 122 | 138 | 155 | 178 | 199 |
|   | 210 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 27 | 31 | 65 | 86  | 110 | 125 | 142 | 158 | 182 | 204 |
|   | 215 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 32 | 66 | 88  | 113 | 128 | 145 | 162 | 187 | 209 |
|   | 220 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 29 | 33 | 68 | 90  | 116 | 131 | 148 | 166 | 191 | 214 |
|   | 225 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 29 | 34 | 70 | 92  | 118 | 134 | 152 | 170 | 196 | 218 |
|   | 230 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 30 | 34 | 71 | 95  | 121 | 137 | 155 | 174 | 200 | 224 |
|   | 235 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 31 | 35 | 72 | 97  | 124 | 140 | 158 | 177 | 204 | 228 |
|   | 240 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 27 | 31 | 36 | 74 | 99  | 126 | 143 | 162 | 181 | 208 | 233 |
|   | 245 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 32 | 36 | 76 | 101 | 129 | 146 | 165 | 185 | 213 | 238 |
|   | 250 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 32 | 37 | 77 | 103 | 132 | 148 | 168 | 188 | 217 | 243 |
|   | 255 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 33 | 38 | 79 | 105 | 134 | 152 | 172 | 192 | 222 | 248 |
|   | 260 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 29 | 34 | 39 | 80 | 107 | 137 | 154 | 175 | 196 | 226 | 252 |
|   | 265 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 30 | 34 | 39 | 82 | 109 | 139 | 158 | 179 | 200 | 230 | 258 |

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Appendix K – Chloropicrin and Chloropicrin in Combination with Other Products  
(Field Fumigant) Interim Recommended Permit Conditions (Rev. 02/2016)

Table 3. Deep, Strip Injection Application Method

Table 3. Chloropicrin buffer zone distances (feet) for TIF strip *deep* ( $\geq 18$  inches) injection fumigations in Coastal and Inland counties. TIF strip *shallow* injection fumigations are prohibited. Round up to the nearest rate and block size, where applicable.

|   |     | Application Block Size (acres) |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |
|---|-----|--------------------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   |     | 1                              | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9   | 10  | 15  | 20  | 25  | 30  | 35  | 40  | 50  | 60  |     |
| Broadcast Equivalent Application Rate (lbs AI/acre) | 75  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  |     |
|   | 80  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 27  | 35  |
|   | 85  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 36  | 48  |
|   | 90  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  | 25  | 26  | 32  | 46  | 60  |
|   | 95  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 26  | 32  | 38  | 43  | 57  | 70  |
|   | 100 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 26  | 35  | 44  | 49  | 54  | 68  | 81  |
|   | 105 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 32  | 44  | 56  | 61  | 66  | 79  | 92  |
|   | 110 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 26  | 40  | 52  | 63  | 68  | 74  | 87  | 101 |
|   | 115 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 32  | 48  | 59  | 70  | 75  | 81  | 96  | 110 |
|   | 120 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 37  | 56  | 66  | 76  | 82  | 88  | 104 | 120 |
|   | 125 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 42  | 62  | 73  | 84  | 90  | 96  | 112 | 129 |
|   | 130 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 28  | 47  | 65  | 78  | 91  | 97  | 103 | 121 | 138 |
|   | 135 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 30  | 34  | 52  | 68  | 84  | 98  | 104 | 110 | 130 | 148 |
|   | 140 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 34  | 40  | 46  | 56  | 72  | 89  | 106 | 112 | 118 | 138 | 158 |
|   | 145 | 25                             | 25 | 25 | 25 | 25 | 25 | 27 | 33 | 40  | 46  | 62  | 78  | 95  | 113 | 120 | 128 | 128 | 148 | 170 |
|   | 150 | 25                             | 25 | 25 | 25 | 25 | 26 | 32 | 38 | 45  | 52  | 68  | 84  | 102 | 120 | 128 | 128 | 138 | 159 | 181 |
|   | 155 | 25                             | 25 | 25 | 25 | 25 | 30 | 37 | 44 | 50  | 57  | 73  | 89  | 108 | 126 | 137 | 147 | 147 | 170 | 192 |
|   | 160 | 25                             | 25 | 25 | 25 | 27 | 34 | 41 | 47 | 54  | 61  | 78  | 94  | 113 | 132 | 144 | 156 | 156 | 179 | 202 |
|   | 165 | 25                             | 25 | 25 | 25 | 30 | 36 | 43 | 49 | 56  | 62  | 80  | 98  | 117 | 136 | 150 | 163 | 163 | 188 | 212 |
|   | 170 | 25                             | 25 | 25 | 26 | 32 | 38 | 45 | 51 | 58  | 64  | 83  | 102 | 121 | 140 | 155 | 170 | 170 | 196 | 221 |
|   | 175 | 25                             | 25 | 25 | 28 | 34 | 40 | 47 | 53 | 60  | 66  | 86  | 106 | 125 | 144 | 161 | 161 | 178 | 204 | 230 |
|   | 180 | 25                             | 25 | 25 | 29 | 35 | 42 | 48 | 55 | 61  | 68  | 88  | 109 | 129 | 148 | 166 | 166 | 183 | 210 | 236 |
|   | 185 | 25                             | 25 | 25 | 30 | 36 | 43 | 50 | 56 | 63  | 70  | 91  | 112 | 132 | 152 | 170 | 170 | 188 | 216 | 243 |
|   | 190 | 25                             | 25 | 25 | 30 | 37 | 44 | 51 | 58 | 65  | 72  | 93  | 115 | 136 | 156 | 175 | 175 | 193 | 222 | 250 |
|   | 195 | 25                             | 25 | 25 | 31 | 38 | 45 | 52 | 59 | 66  | 74  | 96  | 118 | 140 | 160 | 180 | 180 | 198 | 227 | 256 |
|   | 200 | 25                             | 25 | 25 | 32 | 39 | 46 | 54 | 61 | 68  | 76  | 98  | 121 | 143 | 164 | 184 | 184 | 204 | 233 | 263 |
|   | 205 | 25                             | 25 | 26 | 33 | 40 | 47 | 55 | 62 | 70  | 77  | 101 | 124 | 147 | 169 | 189 | 189 | 208 | 239 | 270 |
|   | 210 | 25                             | 25 | 26 | 34 | 41 | 48 | 56 | 64 | 72  | 79  | 103 | 127 | 150 | 173 | 194 | 194 | 214 | 245 | 276 |
| 215   | 25  | 25                             | 27 | 34 | 42 | 50 | 58 | 65 | 73 | 81  | 106 | 130 | 154 | 177 | 198 | 198 | 219 | 251 | 282 |     |
| 220   | 25  | 25                             | 28 | 35 | 43 | 51 | 59 | 67 | 75 | 83  | 108 | 133 | 157 | 181 | 203 | 203 | 224 | 256 | 289 |     |
| 225   | 25  | 25                             | 28 | 36 | 44 | 52 | 60 | 68 | 77 | 85  | 110 | 136 | 161 | 185 | 207 | 207 | 229 | 262 | 296 |     |
| 230   | 25  | 25                             | 29 | 37 | 45 | 53 | 62 | 70 | 78 | 87  | 113 | 139 | 164 | 189 | 212 | 212 | 234 | 268 | 302 |     |
| 235   | 25  | 25                             | 30 | 38 | 46 | 54 | 63 | 72 | 80 | 89  | 116 | 142 | 168 | 193 | 216 | 216 | 239 | 274 | 309 |     |
| 240   | 25  | 25                             | 30 | 38 | 47 | 56 | 64 | 73 | 82 | 90  | 118 | 145 | 172 | 198 | 221 | 221 | 244 | 280 | 316 |     |
| 245   | 25  | 25                             | 31 | 39 | 48 | 56 | 66 | 74 | 84 | 92  | 120 | 148 | 175 | 202 | 226 | 226 | 249 | 286 | 322 |     |
| 250   | 25  | 25                             | 32 | 40 | 48 | 58 | 67 | 76 | 85 | 94  | 123 | 152 | 179 | 206 | 230 | 230 | 254 | 292 | 328 |     |
| 255   | 25  | 25                             | 32 | 41 | 50 | 59 | 68 | 78 | 87 | 96  | 125 | 154 | 182 | 210 | 235 | 235 | 259 | 297 | 335 |     |
| 260   | 25  | 25                             | 33 | 42 | 50 | 60 | 70 | 79 | 88 | 98  | 128 | 158 | 186 | 214 | 240 | 240 | 264 | 303 | 342 |     |
| 265   | 25  | 25                             | 33 | 42 | 52 | 61 | 71 | 80 | 90 | 100 | 130 | 160 | 190 | 218 | 244 | 244 | 270 | 309 | 348 |     |

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Appendix K – Chloropicrin and Chloropicrin in Combination with Other Products  
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Table 4. Drip Chemigation Application Method

Table 4. Chloropicrin buffer zone distances (feet) for TIF drip fumigations in Coastal and Inland counties. Round up to the nearest rate and block size, where applicable.

|   |     | Application Block Size (acres) |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |
|---|-----|--------------------------------|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
|   |     | 1                              | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 15 | 20 | 25  | 30  | 35  | 40  | 50  | 60  |
| Broadcast Equivalent Application Rate (lbs AI/acre) | 112 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 25  | 25  |
|   | 118 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 25  | 25  | 31  | 37  |
|   | 123 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25  | 25  | 26  | 27  | 27  | 41  |
|   | 128 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 27  | 30  | 32  | 34  | 56  | 56  |
|   | 133 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26  | 29  | 33  | 37  | 41  | 59  |
|   | 139 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 28  | 32  | 35  | 42  | 49  | 61  |
|   | 144 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 30  | 34  | 38  | 47  | 56  | 64  |
|   | 149 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 37  | 42  | 49  | 58  | 67  | 77  |
|   | 155 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 34 | 45  | 50  | 59  | 69  | 77  | 89  |
|   | 160 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 30 | 44 | 52  | 58  | 70  | 80  | 88  | 102 |
|   | 165 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 27 | 31 | 46 | 54  | 60  | 72  | 83  | 91  | 106 |
|   | 171 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 32 | 47 | 56  | 62  | 75  | 85  | 94  | 109 |
|   | 176 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 29 | 33 | 48 | 57  | 64  | 77  | 88  | 97  | 112 |
|   | 181 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 30 | 34 | 50 | 59  | 66  | 79  | 91  | 100 | 116 |
|   | 187 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 27 | 31 | 35 | 51 | 61  | 68  | 82  | 93  | 103 | 119 |
|   | 192 | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 27 | 32 | 36 | 53 | 62  | 70  | 84  | 96  | 106 | 122 |
| 197   | 25  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 28 | 32 | 37 | 54 | 64 | 72  | 86  | 99  | 108 | 126 |     |
| 203   | 25  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 29 | 34 | 38 | 56 | 66 | 74  | 89  | 101 | 112 | 129 |     |
| 208   | 25  | 25                             | 25 | 25 | 25 | 25 | 25 | 25 | 30 | 34 | 39 | 57 | 68 | 76  | 91  | 104 | 114 | 133 |     |
| 213   | 25  | 25                             | 25 | 25 | 25 | 25 | 25 | 26 | 30 | 35 | 40 | 59 | 69 | 77  | 93  | 107 | 117 | 136 |     |
| 219   | 25  | 25                             | 25 | 25 | 25 | 25 | 26 | 31 | 36 | 41 | 60 | 71 | 79 | 96  | 109 | 120 | 140 | 158 |     |
| 224   | 25  | 25                             | 25 | 25 | 25 | 25 | 27 | 32 | 37 | 42 | 62 | 73 | 81 | 98  | 112 | 123 | 143 | 162 |     |
| 229   | 25  | 25                             | 25 | 25 | 25 | 25 | 28 | 33 | 38 | 43 | 63 | 74 | 83 | 100 | 115 | 126 | 146 | 166 |     |
| 235   | 25  | 25                             | 25 | 25 | 25 | 25 | 28 | 34 | 39 | 44 | 64 | 76 | 85 | 103 | 117 | 129 | 150 | 170 |     |
| 240   | 25  | 25                             | 25 | 25 | 25 | 25 | 29 | 34 | 40 | 45 | 66 | 78 | 87 | 105 | 120 | 132 | 153 | 174 |     |

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Appendix K – Chloropicrin and Chloropicrin in Combination with Other Products  
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